



50C6-G

BEAM POWER AMPLIFIER

50C6-G

GENERAL DATA

Electrical:

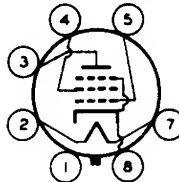
Heater, for Unipotential Cathode:

Voltage. 50 ac or dc volts
Current. 0.15 amp

Mechanical:

Mounting Position. Any
Maximum Overall Length 4-5/8"
Seated Length. 3-7/8" + 3/16" - 5/16"
Maximum Diameter 1-13/16"
Bulb ST-14
Base Medium-Shell Octal 7-Pin
Basing Designation for BOTTOM VIEW G-7AC

Pin 1-No
Connection
Pin 2-Heater
Pin 3-Plate
Pin 4-Grid No.2



Pin 5-Grid No.1
Pin 7-Heater
Pin 8-Cathode,
Grid No.3

AF POWER AMPLIFIER-Class A₁

Maximum Ratings, Design-Center Values:

PLATE VOLTAGE. 200 max. volts
GRID-No.2 (SCREEN) VOLTAGE 135 max. volts
PLATE DISSIPATION. 12.5 max. watts
GRID-No.2 INPUT. 1.75 max. watts

Typical Operation and Characteristics:

Plate Voltage.	135	200	volts
Grid-No.2 Voltage.	135	135	volts
Grid-No.1 (Control-Grid) Voltage . . .	-13.5	-14	volts
Peak AF Grid-No.1 Voltage.	13.5	14	volts
Zero-Signal Plate Current.	58	61	ma
Max.-Signal Plate Current.	60	66	ma
Zero-Signal Grid-No.2 Current.	3.5	2.2	ma
Max.-Signal Grid-No.2 Current.	11.5	9.0	ma
Plate Resistance (Approx.)	9300	18300	ohms
Transconductance	7000	7100	μmhos
Load Resistance.	2000	2600	ohms
Total Harmonic Distortion.	10	10	%
Max.-Signal Power Output	3.6	6.0	watts

Curves shown under Type 6Y6-G also apply to the 50C6-G.

FEB. 1, 1950

TUBE DEPARTMENT
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

DATA